

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506573

Luminaire Tested: **24PD-30-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-30-PL1-L950
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

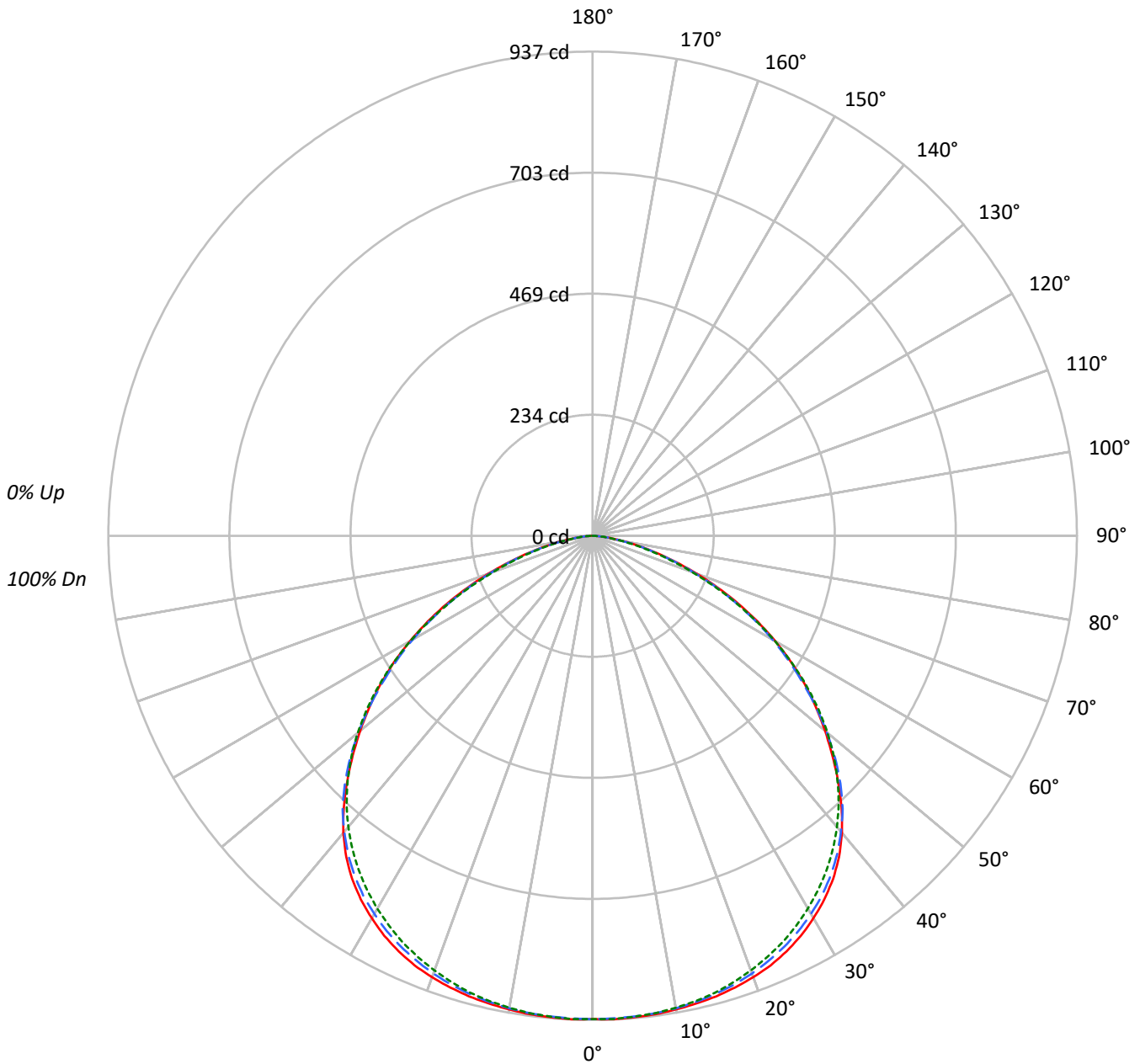
Lumens per Lamp: N/A
Luminaire Lumens: 2683.1 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1258	1258	1258
5°	1263	1261	1261
10°	1272	1268	1267
15°	1285	1279	1275
20°	1301	1291	1282
25°	1317	1303	1289
30°	1328	1313	1294
35°	1332	1319	1297
40°	1318	1313	1292
45°	1278	1290	1275
50°	1228	1237	1242
55°	1175	1166	1183
60°	1099	1081	1095
65°	989	969	969
70°	842	823	804
75°	663	648	622
80°	474	460	435
85°	281	276	256



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	3.3
10°-20°	259.6	9.7
20°-30°	404.7	15.1
30°-40°	500.8	18.7
40°-50°	519.1	19.3
50°-60°	447.0	16.7
60°-70°	303.3	11.3
70°-80°	135.3	5.0
80°-90°	24.3	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	753.3	28.1
0°-40°	1254.1	46.7
0°-60°	2220.2	82.7
0°-90°	2683.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2683.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	935	935	935	935	935	
5°	935	934	934	934	934	89
15°	923	920	918	916	915	261
25°	887	884	877	871	868	409
35°	811	809	803	794	790	506
45°	672	675	678	675	670	518
55°	501	501	497	503	504	447
65°	311	312	304	301	304	307
75°	128	129	125	122	120	138
85°	18	18	18	18	17	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	935.3	935.3	935.3	935.3	935.3
2.5°	936.6	934.5	934.8	935.1	936.1
5°	935.3	934.0	933.8	933.8	934.0
7.5°	933.8	932.2	932.0	931.7	931.7
10°	931.0	929.4	928.4	927.9	927.6
12.5°	927.1	925.3	924.0	923.0	922.3
15°	922.8	920.2	918.2	916.1	915.3
17.5°	916.6	914.3	910.7	907.4	906.1
20°	908.9	906.6	901.5	896.9	895.1
22.5°	900.0	896.6	890.2	885.1	882.6
25°	887.4	884.1	877.4	871.0	868.5
27.5°	872.8	869.7	862.6	854.9	851.8
30°	854.6	852.6	844.9	836.5	833.1
32.5°	834.4	832.4	825.7	816.2	812.4
35°	811.1	808.8	802.9	794.2	789.6
37.5°	783.4	782.7	777.0	768.1	763.7
40°	750.4	751.9	747.6	739.9	735.5
42.5°	712.8	716.1	716.1	708.9	704.6
45°	671.5	674.6	677.7	675.1	670.2
47.5°	629.3	632.6	636.2	637.2	633.1
50°	586.7	588.8	591.1	595.7	593.2
52.5°	544.5	545.3	544.5	550.6	550.1
55°	501.0	501.2	497.1	502.7	504.5
57.5°	455.6	456.4	449.7	452.8	456.6
60°	408.5	409.3	401.8	402.3	407.0
62.5°	359.8	360.9	353.4	351.6	355.7
65°	310.7	311.9	304.5	301.2	304.3
67.5°	261.7	263.3	256.4	252.3	253.0
70°	214.1	215.4	209.2	205.4	204.4
72.5°	168.8	170.1	165.2	161.3	159.6
75°	127.5	128.6	124.7	121.9	119.6
77.5°	91.7	92.5	89.4	87.3	85.0
80°	61.2	61.5	59.4	58.1	56.1
82.5°	36.6	36.9	35.6	35.1	33.6
85°	18.2	18.4	17.9	17.9	16.6
87.5°	6.4	6.1	6.4	6.4	5.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)